

Title (en)
DEVICES FOR BONE RESTRUCTURE AND STABILIZATION

Title (de)
VORRICHTUNGEN FÜR KNOCHENRESTRUKTURIERUNG UND -STABILISIERUNG

Title (fr)
DISPOSITIFS DE RESTRUCTURATION ET DE STABILISATION D'OS

Publication
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Application
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Priority

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- US 201213553051 A 20120719
- US 201213553247 A 20120719
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Abstract (en)
[origin: GB2493100A] A combination photodynamic device 100 includes a load bearing member 115 and one or more conformable members 170 connected to the load bearing member 115, the conformable member 170 being expandable from a deflated state to an inflated state by addition of a fluid, which may be light-curable. The load bearing member 115 is designed to reside inside a cavity of fractured or weakened bone and act as internal bone fixation and stabilization device. The conformable member 170 is designed to anchor the load bearing member 115 inside a bone cavity, transform the load bearing member 115 from a flexible state to a rigid state, contribute to fixating and stabilizing a fractured or a weakened bone, and provide longitudinal and rotational stability to a fractured or a weakened bone during the healing process or combinations thereof. External fasteners 102 may be inserted through the bone into the load bearing member 115 or conformable member 170.

IPC 8 full level
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